

ULT-Freezer Performance Data Sheet



Capacity

Storage volume	760 L (26.9 ft ³)	
Racks per freezer	40/66	
Box capacity per freezer	50 mm (2 in) box	560
	75 mm (3 in) box	360
	100 mm (4 in) box	280
Sample capacity per freezer	50 mm (2 in) box	56,000
Temperature rating	-50 °C to -86 °C	

Technical Specifications: Innova® C760 – Air-Cooled (230 V)

Intended use	<ul style="list-style-type: none"> > Cold storage of standard laboratory materials > Indoor use only, between 15 and 32 °C > Altitude up to 2000 m > Non-corrosive, non-flammable, non-explosive environment
Environmental conditions	<ul style="list-style-type: none"> > Good air ventilation required > Maximum relative humidity 80 % for temperatures up to 31 °C > No mains/power supply voltage fluctuations
Electrical rating (1 phase)	230 V/50 Hz
Current rating	9.5 A
Agency listing	<ul style="list-style-type: none"> > WEEE > All components tested to CE specifications

Dimensions and Construction

Internal dimensions (H x W x D)	780 x 1560 x 625 mm (30.7 x 61.4 x 24.6 in)
External dimensions (H x W x D)	1092 x 2050 x 825 mm (43 x 80.7 x 32.5 in)
External packaging dimensions (H x W x D)	1345 x 2224 x 974 mm (53 x 87.6 x 38.3 in)
Insulation	Polyurethane foam
Net weight	285 kg (627 lbs)
Shipping weight	358 kg (789 lbs)

User Interface

Alarms	Adjustable high/low temperature, power fail, battery low, filter clean, fault
Password protection (freezer settings)	Yes
Remote alarm port	Standard
RS-485 interface	Optional
Lock	Standard
Temperature control	Microprocessor
Cabinet control probe	PT 100

Refrigeration System Specifications

Refrigeration system	2 stage cascade cooling system
Compressors	Commercially available, heavy duty compressors
Defrost method	Manual
Refrigerant charge	High stage: R404a Low stage: R508b
Condensing method	Air-cooled
Expansion device	Capillary tubes
Evaporator type	Cold wall

Construction

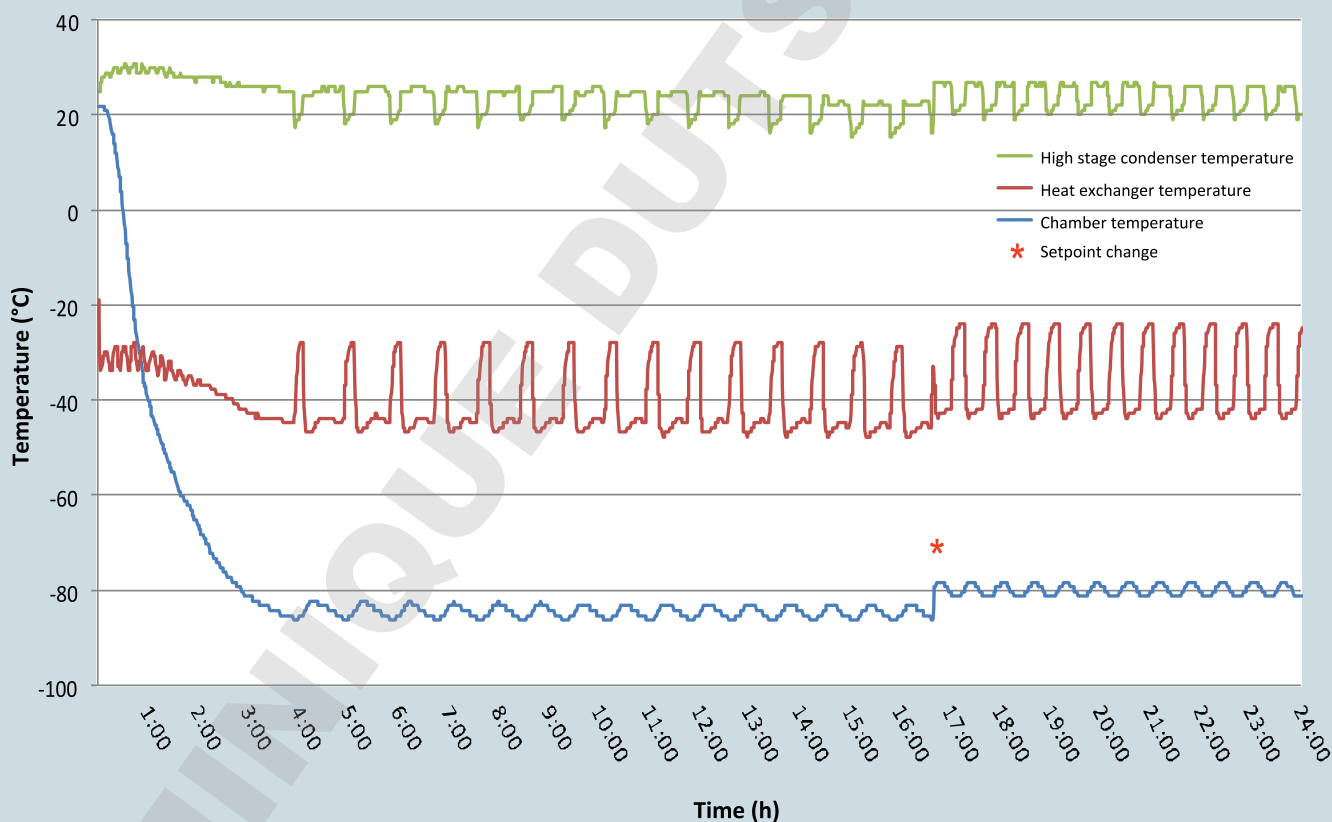
Interior	Stainless steel grade 304 2B
Exterior	Stainless steel
Insulation	Vacuum insulation panels and polyurethane foam
Power switch	Secured
Inner doors	Insulated
Casters/level legs	Heavy duty

Typical Performance Characteristics at 22 °C +/- 1 (Ambient Temperature)

Pull down time (Freezer empty, from ambient to -85 °C)	5 h 50 min
Power consumption (Freezer set to -80 °C)	16.0 kWh/day
Cabinet uniformity ¹ (Freezer set to -80 °C)	+6.0 °C/-0.0 °C
Heat output	667 W (2275 BTU/h)
Noise level (at -80 °C)	58.0 dB
Duty cycle (on/off) (at -80 °C)	17/19 min
Mains/power supply	9.5 A

¹Average multiple probe temperature deviation

Innova C760 230 V/ 50 Hz Performance Graph



Technical specifications subject to change

Your local distributor: www.eppendorf.com/contact

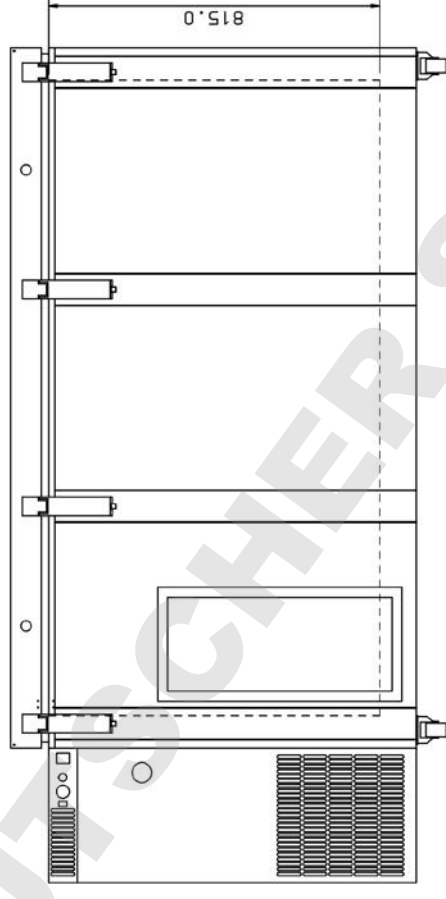
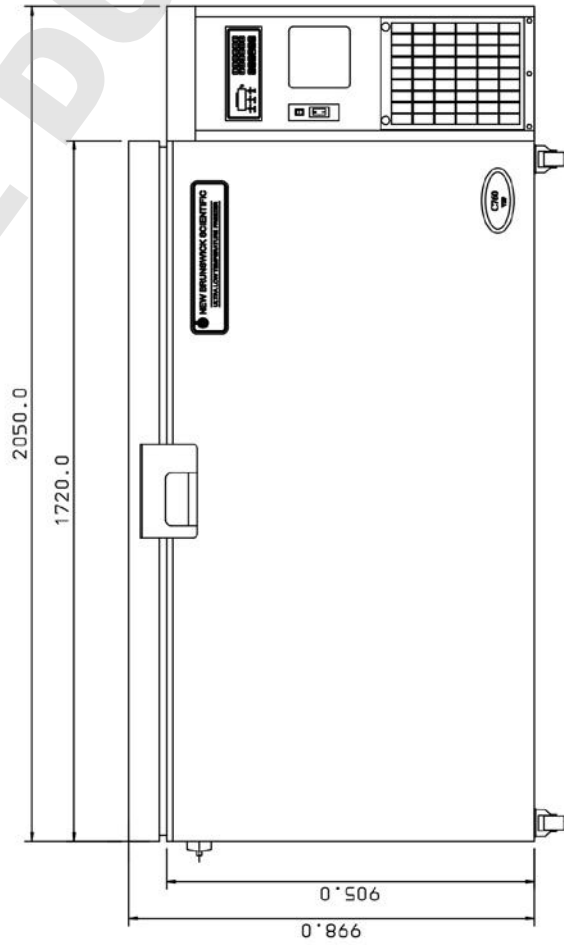
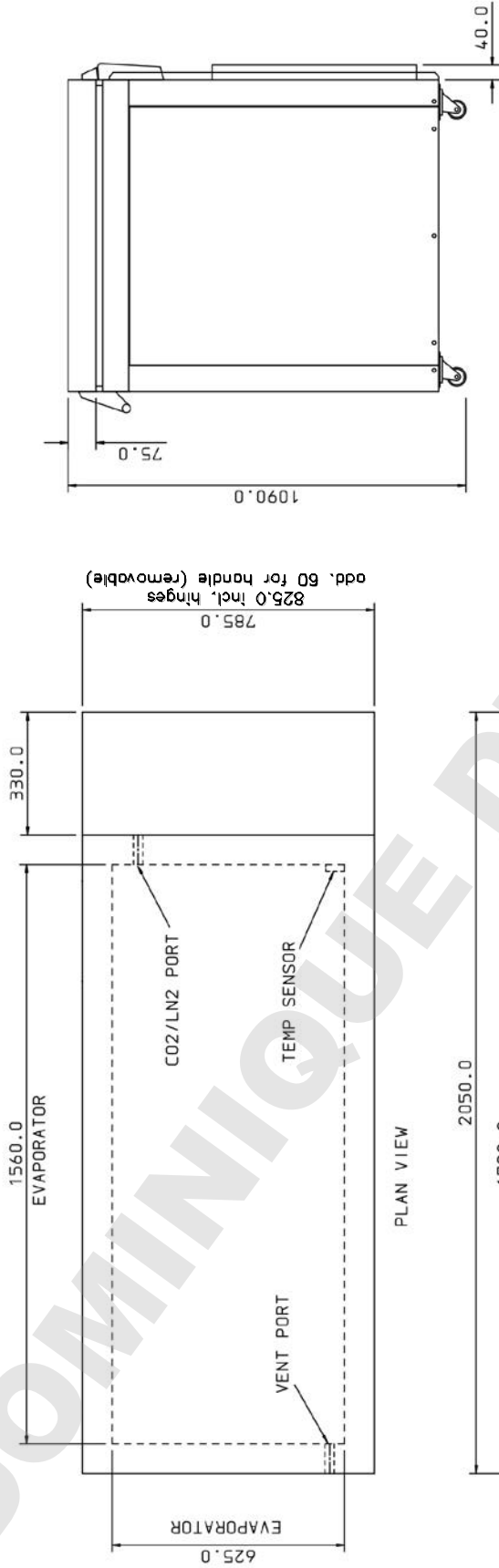
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